New Product

ShareIT™

Q. What is ShareIT ?

A. ShareIT is a combination of software (the front-end) and hardware (the back-end) that provides high performance, multi-user data base management in a local area network.

Q. What is the ShareIT front-end?

A. The ShareIT front-end is KeepIT Plus™, an enhanced version of KeepIT™, the menu-driven, relational data base management program that is the centerpiece of Martin Marietta's ITSeries of integrated software.

KeepIT's features provide the capability needed for both end users and computer specialists to develop powerful applications for high performance networks of IBM and IBM-compatible PCs.

Q. What is the ShareIT back-end?

A. The ShareIT back-end is the COGENT Database Machine™ (DBM). It is a disk controller board that fits inside a PC with an added fixed disk or that replaces the disk controller board in a PC-XT.

The DBM has an on-board 80186 co-processor which works completely independently from the host PC, freeing the PC from all file access activities. It also has 192K of RAM for buffering file access and intelligent disk management. The DBM also has firmware for flat file access, B-tree indexing, and record lock. KeepIT Plus makes use of the routines in firmware on the DBM. The result is high performance, true multi-user data base management.

Q. How are the PCs networked?

A. The ShareIT PCs are linked with standard PCnet boards manufactured by AST or Orchid Technology and available from Martin Marietta or separately.

Q. How many IBM PCs can run from one hard disk?

A. 128 workstations can access the DBM board.

Q. Is a DBM needed for each PC in the network?

A. No. Just one for each PC that has a hard disk with data to be shared.

Q. Does one of the PCs have to be dedicated as a file server?

A. No. Because all shared file I/O is done by the DBM board, there is no use of any PC workstation resources.

Q. Can ShareIT be used without networking the PCs?

A. Yes, by replacing the IBM fixed disk controller with the DBM board. Because of faster file access, the result is a high performance version of KeepIT.

Q. Will the PC still operate other software?

A. Yes. Both the standard operating systems (DOS, CP/M-86, etc.) and all software will run without change.

Special Features

■ Faster disk access than with an IBM PC-XT fixed-disk controller.

■ Flexible file server options ranging from IBM PC-XT hard disk to 144MB third-party devices

■ Readily available low-cost PCnet boards for networking

■ Ability to simultaneously write to two file servers for mainframe quality backup protection

■ No degradation to any workstations on the network

■ Record-by-record locking protection

Requirements

■ IBM PC, PC-XT, or compatible workstations (maximum of 128)

■ PCnet adapter board for each workstation

■ Fixed-disk file server

■ COGENT Database Machine board for each two file servers

■ KeepIT Plus

Price

■ COGENT Database Machine board $1,750

■ PCnet boards and file servers priced and available separately

■ KeepIT Plus

Number of Workstations	Price
2-3	$ 850
4-5	1,150
6-9	1,350
10 or more	1,450